PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. NO.: 0225-4161 US16	SERIAL NO.: 09/138,459

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

RECEIVED NOV 2 7 1998

NOV 2 3 1998

APPLICANT(S):	Sholom S. Rosen	Group 2700
FILING DATE: 8/21/98		GROUP ART UNIT: 2766

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS		5,453,601	09/26/95	Rosen			11/15/91
HS		5,539,828	7 / 1996	Davis			05/31/94
HS		5,473,692	12 / 1995	Davis			09/07/94
HS		5,568,552	10 / 1996	Davis			09/07/94
HS		4,443,027	4 / 1984	McNeely et al			
HS		4,454,414	6 / 1984	Benton			
HS		4,529,870	7 / 1985	Chaum			
HS		4,634,807	1 / 1987	Chorley et al.			
HS		4,644,493	2 / 1987	Chandra et al.			
HS		4,817,140	3 / 1989	Chandra et al.			
HS		4,916,738	4 / 1990	Chandra et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
HS		0 380 377 B1 (with Abstract)	8 / 1990	EPO				
HS		4 191 06 A1	3 / 1991	EPO				X
HS		9308545	4 / 1993	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

HS		"Online Cash Checks", Chaum, D.; *Advances in Cryptology* EUROCRYPT '89, Qiusquarter & J. Vandewalle (Eds.) Springer-Verlag, pp. 288-293.
		"Achieving Electronic Privacy", Chaum, D.; *Scientific American*, Aug. 1992, pp. 96-101.
HS		"Value Exchange Systems Enabling Security and Unobservability", Burk, H., et al., *Computers & Security*, 9 (1990), pp. 715-721.
HS		"Proxy-Based Authorization and Accounting for Distributed Systems", Neuman, B. Clifford; *Proceedings of the 13th International Conference on Distributed Computing Systems*, Pittsburgh, May 1993.
		"Le paiement électronique", P. Rémery, J.C. Pailles and F. Lay, *L'Echo des RECHERCHES*, No. 134 4 trimester 1988 (with English-language translation).

EXAMINER Hosuk Song	DATE CONSIDERED 1/9/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

433151_1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 0225-4161 US16	SERIAL NO.: 09/138,459
	INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*		RECEIVED NOV 27 1998
		APPLICANT(S): Sholom S. Rosen	
		FILING DATE: 8/21/98	GROUP ART UNIT: Group 2700

(stamp: NOV 23 1998)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS		4,926,480	5 / 1990	Chaum			
HS		4,972,175	11 / 1990	MacPherson			
HS		4,999,806	3 / 1991	Chernow et al.			
HS		5,109,413	4 / 1992	Comerford et al.			
HS		5,117,457	5 / 1992	Comerford et al.			
HS		5,131,039	7 / 1992	Chaum			
HS		5,144,663	9 / 1992	Kudelski et al.			
HS		5,148,534	9 / 1992	Comerford			
HS		5,162,989	11 / 1992	Matsuda			
HS		5,185,717	2 / 1993	Mori			

FOREIGN PATENT DOCUMENTS
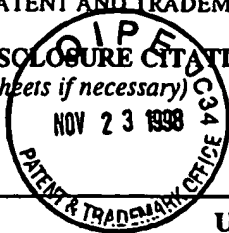
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
HS		9401825	1 / 1994	WIO				
HS		0 474 360 A2	3 / 1992	EPO				
HS		0 569 816 A2	11 / 1993	EPO				
HS		22 57 55 7	1 / 1993	UK				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

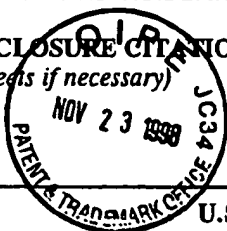|		
HS		"Padlock", D. Everett, *Computer Bulletin*, Mar. 1985, pp. 16-17.
		"ABYSS: A Trusted Architecture for Software Protection", S.R. White and L. Comerford, *IEEE*, 1987.
HS		"Public Protection of Software", A. Herzberg and S.S. Pinter, *ACM Transactions on Computer Systems*, vol. 5, no. 4, Nov. 1987, pp. 371-393.
		"Security Without Identification: Card Computers To Make Big Brother Obsolete", D. Chaum, 1987.
HS		"Internet Billing Service Design and Prototype Implementation", Marvin A Sirbu, *IMA Intellectual Property Project Proceedings*, vol. 1, Issue 1, Jan. 1994.
		"Dyad: A System for Using Physically Secure Coprocessors", J.D. Tygar and B. Yee, School of Computer Science, Carnegie Mellon Univ., Pittsburgh, PA.

EXAMINER Hosuk Song	DATE CONSIDERED 1/9/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

433151_1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 0225-4161 US17	SERIAL NO.: 09/138,459 RECEIVED
INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)* NOV 23 1998			NOV 27 1998
		APPLICANT(S): Sholom S. Rosen	Group 2700
		FILING DATE: 8/21/98	GROUP ART UNIT: 2766

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS		5,202,921	4 / 1993	Herzberg et al.	—	—	
HS		5,221,838	5 / 1993	Gutman et al.	—	—	
HS		5,247,578	9 / 1993	Pailles et al.	—	—	
HS		5,276,311	1 / 1994	Hennige	—	—	
HS		5,276,736	1 / 1994	Chaum	—	—	
HS		5,305,200	4 / 1994	Hartheimer et al.	—	—	
HS		5,319,705	6 / 1994	Halter et al.	—	—	
HS		5,416,840	5 / 1995	Cane et al.	—	—	
HS		5,440,634	8 / 1995	Jones et al.	—	—	
HS		4,794,644	12 / 1988	Philip et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
CMT		Hei 4-64129	2/28/1992	JP	—	—	X	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Papers, Etc.)*

HS			"Trusted Devices as applied to Corporate Key Escrow", F. Sudia, Jan. 14, 1994, Bankers Trust Co.
			"Wavemeter Chip Provides Digital Money", M. Slater, *Microprocessor Report*, Vol. 8, No. 5, Apr. 18, 1994.
HS			"Data Networks and Open System Communications Directory / Information Technology – Open Systems Interconnection – The Directory: Authentication Framework," ITU-T Recommendation X.509, Nov. 1993
			"Anonymous Internet Mercantile Protocol", AT&T Bell Laboratories, Draft: March 17, 1994, pp. 1-16, David M. Kristol, Steven H. Low, Nicholas F. Maxemchunk
HS			Literature of Microcomputer [II], edited by Nihon Denshi Kogyo Sinko Kyokai (March, 1988), pp. 190-217 (Japanese language) and English translation thereof.

EXAMINER Hosuk SONG	DATE CONSIDERED 1/9/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 0225-4161 US16	SERIAL NO.: 09/138,459 RECEIVED NOV 27 1998
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT(S): Sholom S. Rosen	Group 2700
		FILING DATE: 8/21/98	GROUP ART UNIT: 2766

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS		5,177,791	1 / 1993	Yeh et al.	—	—	
HS		4,993,069	2 / 1991	Matyas et al.	—	—	
HS		5,301,247	4 / 1994	Rasmussen et al.	—	—	
HS		4,933,971	6 / 1990	Bestock et al.	—	—	
HS		4,864,615	9 / 1989	Bennett et al.	—	—	
HS		5,247,576	9 / 1993	Bright	—	—	
HS		4,888,800	12 / 1989	Marshall et al.	—	—	
HS		4,876,716	10 / 1989	Okamoto	—	—	
HS		5,081,678	1 / 1992	Kaufman et al.	—	—	
HS		5,448,638	9 / 1995	Johnson et al.	—	—	
HS		4,941,173	7 / 1990	Boule et al.	—	—	
HS		4,956,863	9 / 1990	Goss	—	—	
HS		4,799,156	1 / 1989	Shavit et al.	—	—	
HS		4,879,747	11 / 1989	Leighton et al.	—	—	
HS		5,511,121	4 / 1996	Yacobi	—	—	09/08/94
HS		4,868,877	9 / 1989	Fischer	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

HS			"Universal Electronic Cash", Tatsuaki Okamoto and Kazuo Ohta, CRYPTO '91, (Session 8: Applications and Implementations; pp. 8-7 through 8-13).
			"Limitations of the Kerberos Authentication System", Steven M. Bellovin and Michael Merritt, USENIX - Winter '91 (1-15).

EXAMINER Hosuk Song	DATE CONSIDERED 1/4/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

433151_1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: 0225-4161 US16	SERIAL NO.: 09/138,459 RECEIVED NOV 27 1998
	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) NOV 23 1998	APPLICANT(S): Sholom S. Rosen	Group 2700
		FILING DATE: 8/21/98	GROUP ART UNIT: 2766

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS		4,723,284	2 / 1998	Munck et al.	—	—	
HS		5,001,752	3 / 1991	Fischer	—	—	
HS		5,481,715	2 / 1996	Hamilton et al.	—	—	12/15/93
HS		5,490,251	2 / 1996	Clark et al.	—	—	08/09/91
HS		5,282,248	1 / 1994	Dejoy	—	—	
HS		4,663,664	5 / 1987	Ragan et al.	—	—	
HS		4,682,224	7 / 1987	Ragan et al.	—	—	
HS		4,682,223	7 / 1987	Ragan et al.	—	—	
HS		4,977,595	12 / 1990	Ohta et al.	—	—	
HS		4,453,074	6 / 1984	Weinstein	—	—	
CmT		5,191,573	3 / 93	Hair	—	—	9/18/90
CmT		5,675,734	10 / 97	Hair	—	—	2/27/96
CmT		4,528,643	7 / 85	Freeny, Jr.	—	—	1/10/83

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

HS			"Applied Cryptography: Protocols, Algorithms, and Source Code in C", Bruce Schneier, John Wiley & Sons, Inc. (417-429) ISBN 0-471-59756-2; QA76.9.A25S35 1993.
HS			"An Architecture for Practical Delegation in a Distributed System", Morrie Gasser, Ellen McDermott, IEEE Computer Society Press, IEEE Computer Society Symposium on Research in Security and Privacy, May 7-9, 1990.
HS			"Practical Uses of Synchronized Clocks in Distributed Systems", Barbara Liskov, ACM Press, 10th Annual ACM Symposium on Principles of Distributed Computing, Aug. 19-21, 1991, ISBN 0-89791-439-2.
HS			"SPX: Global Authentication Using Public Key Certificates", Joseph J. Tardo and Kannan Alagappan, IEEE 191 (CH2986-8/91/0000/0232).
HS			"The Digital Distributed System Security Architecture", Morrie Gasser, et al., Nat'l. Inst. of Standards and Tech./Nat'l Computer Security Ctr., 12th National Computer Security Conferences, Baltimore, MD Oct. 10-13, 1989.

EXAMINER Hosik Song	DATE CONSIDERED 1/7/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

433151_1